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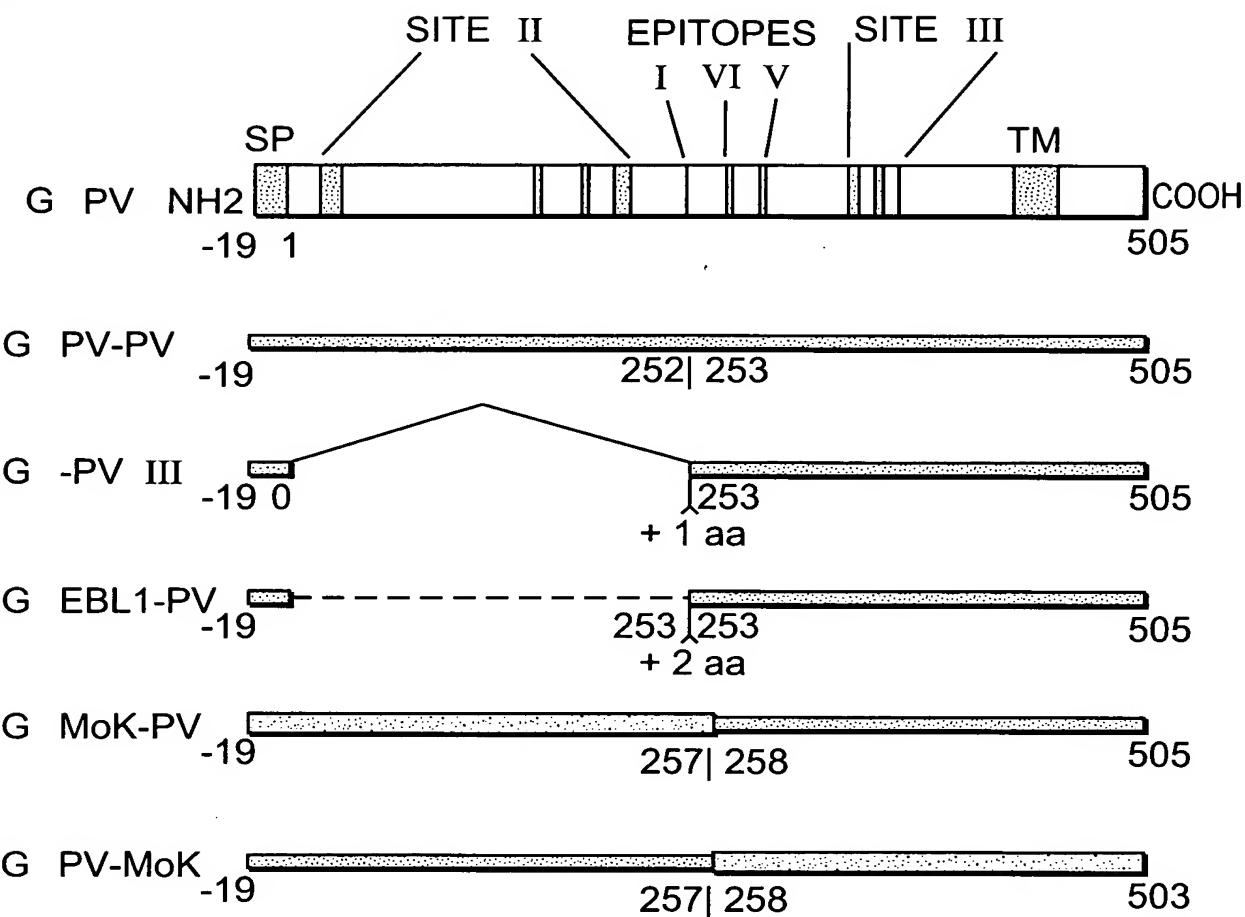
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Replacement Sheet



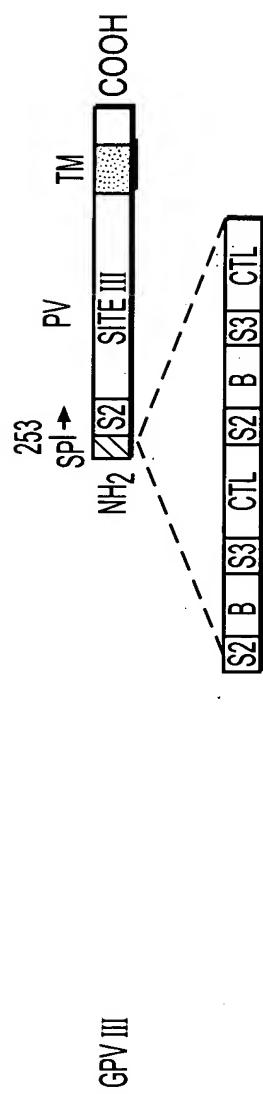
**FIG. 1A**

	230	247	253	256	264	VI	275	290
PV-PV	VLGLRLMDGTWVSMQTSNETKWC...		PPGQLINLHDFRSDEIEHLVVEELVKKREECLDAESI					
-PV <sub>III</sub>	-P-M-S-L-KTEAPE-SNS-							
EBL1-PV	-P-M-S-L-KTEAPE-SNS-							
MoK-PV	RP-L-E-TTKPDVHV-T-N-							
PV-MoK	-		-I-ND-L-I-DII-	-T-				
MoK-Sad	KP-I-P-FTKPD-	-DK-V-	-R-					

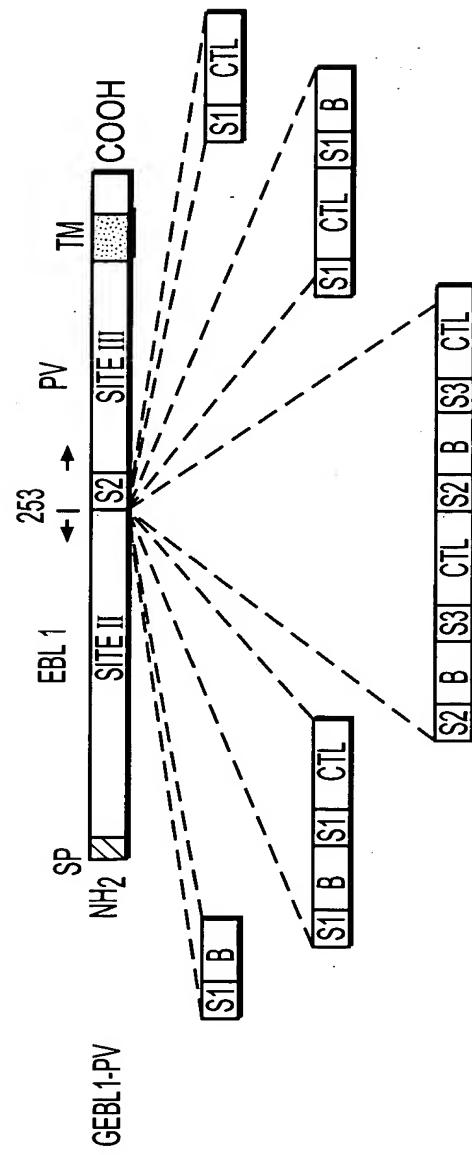
**FIG. 1B**



# Replacement Sheet



## FIG. 1C



## FIG. 1D

# Replacement Sheet



**SP** <----- **ECT0**

	-19	-10	1	10	30	IIb	50	70	90
<b>PV</b>	-vp--11-vp--v[0--f-								
<b>USA7-BT</b>	-1p--11-vp--1pS--e-				-t				
<b>PL</b>	-1-1-1ms-mvfsp-p-					-a-nd-			
<b>EBL1POL</b>	-1-sta--aff-ncap--a-					-i-s	-sg--		
<b>EBL1FRA</b>	-1-sta--aff-ncap--a-					-sg--	-s-sg--		
<b>EBL2FIN</b>	-pf-t-1sa--salt--a-					-t-	-f-		
<b>EBL2HOL</b>	-pf--1sa--salt--v-					-t-m	-f-		
<b>Duv1SAF</b>	-p-0--t--1cs1--f-					-t	-t		
<b>Duv2SAF</b>	-p-n--t--1cs1--f-					-t	-t		
<b>Lag1NGA</b>	-sq1n1-1ffcw1v-sved--1--e-i--t--li--					-qs-	-g-ssv--v-	-t--1-hq--	-n-v--
<b>Lag2CAR</b>	-sq1n1-pf-cv1v1sv-d--1--e-i--t--li--					-ls-d-	-sntaf-n-i-	-t--1-hq--	-n-v--
<b>Mok3ETP</b>	-n1pcfavi-s-atths--e--1--e-iek-t--mi--					-m1s-e--	-nes--t-f--	-s--lahq--p--	-n--
<b>Mok2ZIM</b>	-n1pcfv1-s-atths--e--1--e-iek-t--mi--					-s-e--	-naess-t-f--	-s--lahq--p--	-n--
<b>CONSENS</b>	M-LQAVIF-LLL--LCLGKFPIYTIPDKLGPWSPIDIHLSCPNNLVDEGCTTL-PFSYMEIKVGYITTIKVSGFTCTGVVTEAETYTNFGYVTTFKRKHFRPTV								

**FIG. 1E**



## Replacement Sheet

FIG. 1E (CONT. 1)



## Replacement Sheet

	210	230	250	WB+	270	290
PV	-set	-v1	-t-am-tsnet-	-p-g-	-1-r-	-v
USA7-BT	-v	-v-i-	-t-i-ts-di-	-p-r-	-1-	-s-m-
PL	-kv	-s-	-i-nh-ea-	-	-	-v
EBL1POL	-d-	-r-v-m-	-l-kt-ape	-v	-t-	-i-
EBL1FRA	-d-k	-r-v-m-	-l-kt-ape	-r-	-t-	-f-
EBL2FIN	-d-k	-s-m-	-i-nhdea-	-	-v-	-
EBL2HOL	-d-k	-s-m-	-i-nhdea-	-	-a-	-s-m-
Duv1SAF	-d-q	-r-r-	-s-	-lpqvnse	-vad-	-d-
Duv2SAF	-d-q	-r-r-	-s-	-lpqvnse	-vad-	-d-
Lag1INGA	<u>n</u> -s-m-	-t--y-rti-	-t--k-	-f--t-i-ftrp-vtt--l-n-----nnri-	-v--d-ir-	-t--v1ms--
Lag2CAR	<u>n</u> -s-m-	-t--f-rt-	-t--k-	-y--t--ftrp-inv--n--v-nnrl-	-gd-ir-	-t--lms--
Lag3SAF						-f--y
Lag4SAF						-t--lms--
Mok1SAF						-f--y
Mok3ETP	<u>n</u> -s-i--	-k--f-r--	-s--t--	-k--i--f--t--ftkpdrv--t-n-----ndrl	<u>v</u> --ddii--	-t--lmsq-v--
Mok2ZIM	<u>n</u> -s-i--	-k--f-r--	-t--r--i--f--t--ftkpdrv--t-n--i--ndrl		-t--lmsq-v--	-f--y
CONSENS						
						KGGRILCGFVDERGLYKSLKGACKLKGIPGLRIMDGSWWS-Q--E--KWCSPDQLVNIDHSDEIEHLIVEELVKKREECDALETI-TTKSISFRRRLSHLRKLVPGF

## FIG. 1E (CONT. 2)



## Replacement Sheet

	330	III	a	350	III	370	390	410
PV	-	f	-	-	rV	-	.	.
USA7-BT	-	f	—	i	-ikt-0-V	-ev-k-pv	-n	ng
PL	-	v	-	—	ng-t-n	-vre-py	-s	ng
EBL1POL	-	l	—	—	k-v	-ys-i	-s	eg
EBL1FRA	-	l	—	—	t-v	-ys-i	-s	eg
EBL2FIN	-	—	—	—	t-dv	-y-h	-m	—
EBL2HOL	-	v	—	—	t-dv	-y-h	-m	—
Duv1SAF	-	—	r	e	k	-y-h-i	-g-ki	—
Duv2SAF	-	—	r	e	k	-y-h-i	-g-ei	—
Lag1NGA	-	—	1-q <u>s</u> -iqtnv--1k-dn <u>s</u> —1	—	innq-va-de	-k-i	-s-wk--md-fkaa-f	-ie-gsl-n-gd-de-d-m-
Lag2CAR	-	—	qs	—	tnv--1r-ds-nd-1	-mnkq-vdsyr	-k-h-i	-s-k-md-kaa-f-i-qns1--i-qns1--gd-d-m-
Lag3SAF	-	—	qs	—	tnv--1r-ds-nd-1	-mnkq-vdsyr	-k-l-i	-s-k-md-kaa-f-i-qns1--i-qns1--gd
Lag4SAF	-	—	qs	—	tnv--1r-ds-nd-1	-mnkq-vdsyr	-k-l-i	-s-k-md-kaa-f-i-qns1--i-qns1--gd
Mok1SAF	-	—	1-q <u>s</u>	—	nvv--1-dr-ad-1	-v-qq-mdpv-	-k-qi	-eq-k-md-kaa-f-isqea--gd
Mok3ETP	-	—	1-q <u>s</u>	—	tnvv--1-dr-ad-1	-v-qq-mdpvk	-k-qi	-eq-k-md-kaamf-inrea--gn-d--dl-m-
Mok2ZIM	-	—	1-q <u>s</u>	—	tnvv--1-dr-ad-1	-v-qq-mepvk	-k-qi	-eq-k-md-kaa-f-isrea--gd-d--dl-m-
CONSENS	GRAYTIIINKTILMEADAHYKSUREW-E1TIPSKGGCLKAGGRCHPH-NGVEFNGIILGPDGHVLIPEMOSALOOHIELLESSVPLRHPLADPSTVEKKDDEAEDFVEVHLP							

FIG. 1E (CONT. 3)



## Replacement Sheet

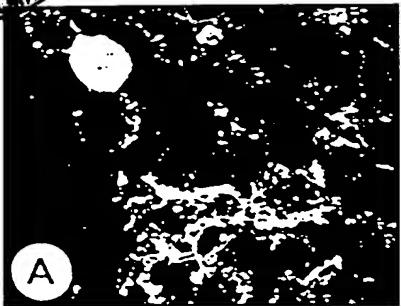
	430	450	470	490	510
PV	--her---v---n-gk-v-1s-9---t@-m-1-f1mt-wr---n-septqh-lrgtg-e---p---i-s-----s-getql				
USA7-BT	--h-r---v---s-gk-1-ms-g---i-1---vlii---r---nktgstqrghr-srg-m---ap-n-i-s---l---resetgl				
PL	--qv---s-e-1i---vi-f---f---r-c---kkartdri--d-----lkpshfrs				
EBL1POL	-t---l---f---1-v---t-d---f---rp---i-----ra---v-pp-es				
EBL1FRA	-t---l---f---1-v---t-d---sr---rp---i-----rav---v--tse				
EBL2FIN	--q-----v---m-f---a-----hkra---v-----rp-----ve-g-q				
EBL2HOL	--q-----v---f---m-f---a---r---kkra---v-----rp-----ve-g-q				
Duv1SAF	-tnqk-----v---v---s---m-----f-n---ks---s-v---t-----i-kgnqpv-----e---t-dvnttpstre				
Duv2SAF	-tnqk-----v---v---s-----frk-ks---g-v---t-----i-kgnqpv-----e---t-dvnttpstre				
Lag1NGA	--h-lv-dv-----d-s1-a-----t1i-ff1-ic1-ri---krg---nsptnr-dlp-g1sttpqpk---s-----gtsnv				
Lag2CAR	-i---l---dv-----s-g1-vm---av1-f-v-ic1-rl---kkt-t-tsmer-dpp-s1sttpqsra--vs-----gssnv				
Mok3ETP	---sv-dv-----h-gfw1-v---tvv-fw---clr---r-mr---slratqdip1svapavpra--vs-----s-g1pgt				
Mok2ZIM	--h-sv-dv-----h-gfw1---t1v-fvv-vc1r-----r---sgratqeip1sfp-apvpra--vs-----g1pgt				
CONSENS	DVQK-ISGIDLGIPEWKRYFLIGASALLAIIIAVCCRKVKKRR-KPNP-ELIRKVSVTSQSGKVPMSWEYK-GT-G				

**ECTO----->** **TM** <----- **ENDO**

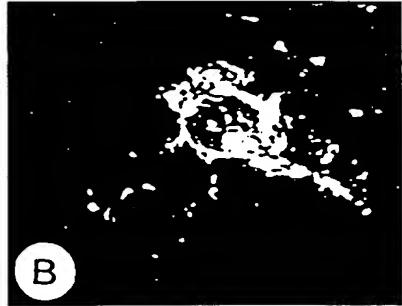
**FIG. 1E (CONT. 4)**



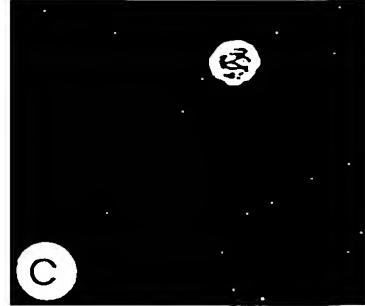
Replacement Sheet



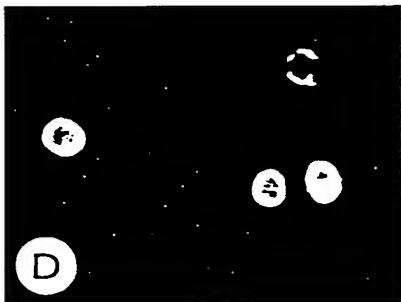
**FIG. 2A**



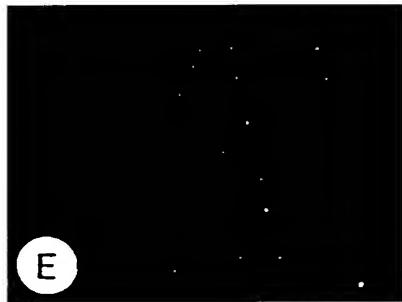
**FIG. 2B**



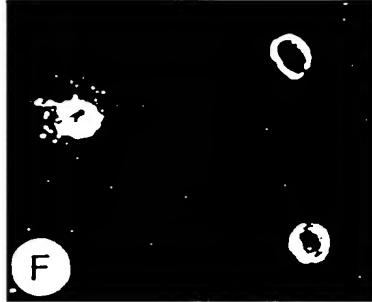
**FIG. 2C**



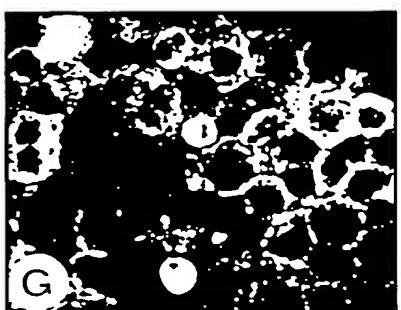
**FIG. 2D**



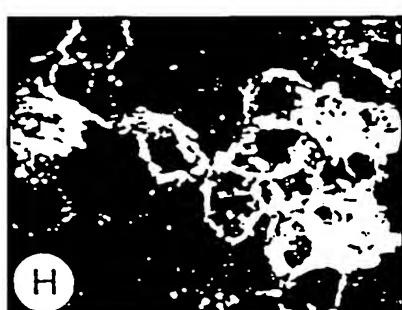
**FIG. 2E**



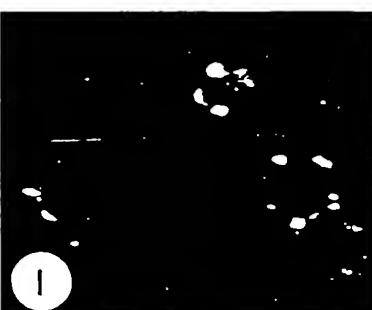
**FIG. 2F**



**FIG. 2G**



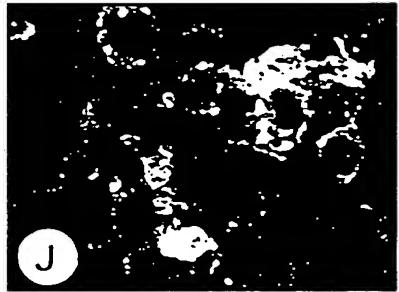
**FIG. 2H**



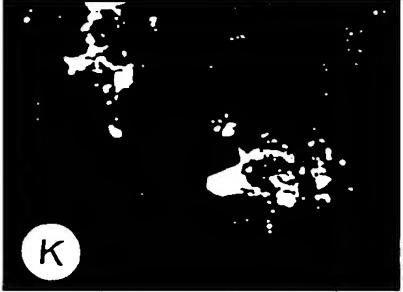
**FIG. 2I**



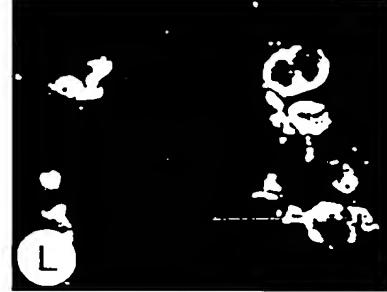
## Replacement Sheet



**J**



**K**

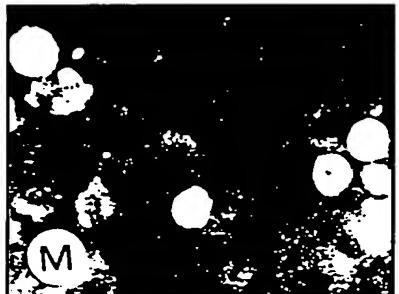


**L**

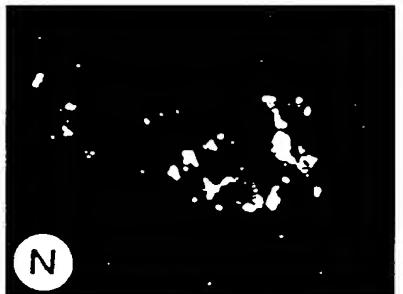
**FIG. 2J**

**FIG. 2K**

**FIG. 2L**



**M**



**N**



**O**

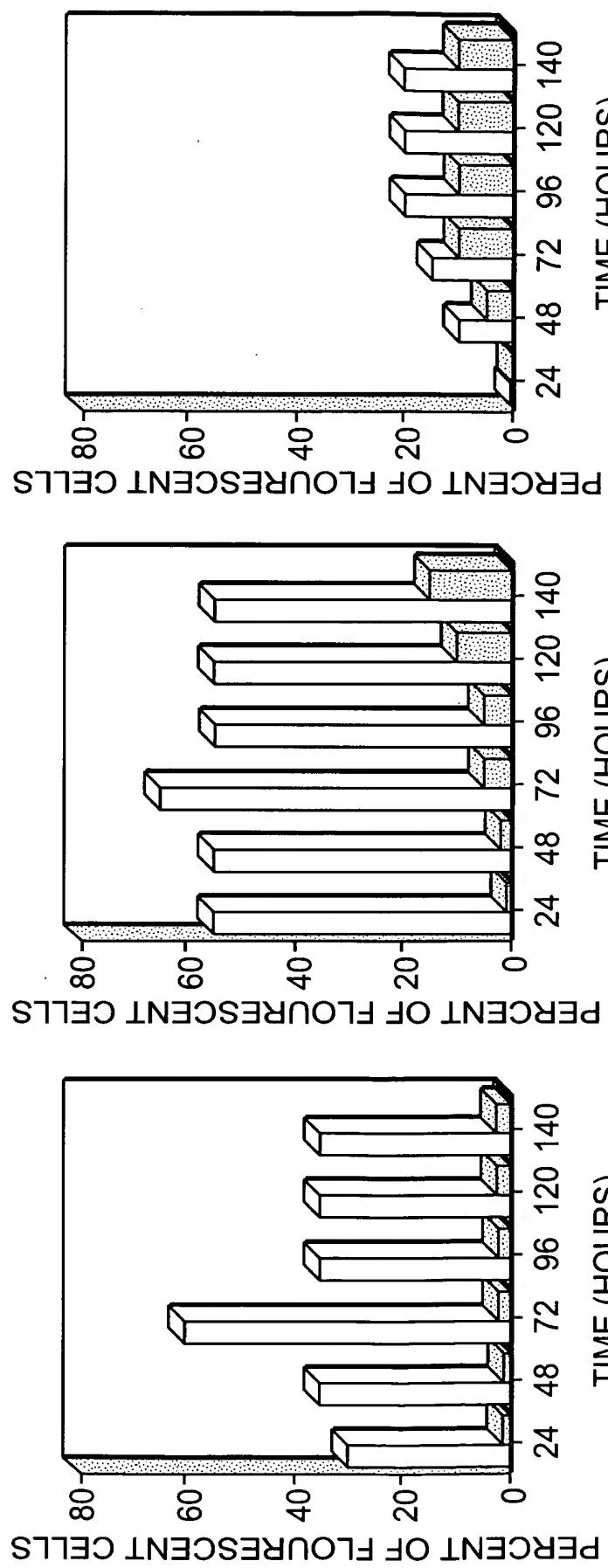
**FIG. 2M**

**FIG. 2N**

**FIG. 2O**



## Replacement Sheet



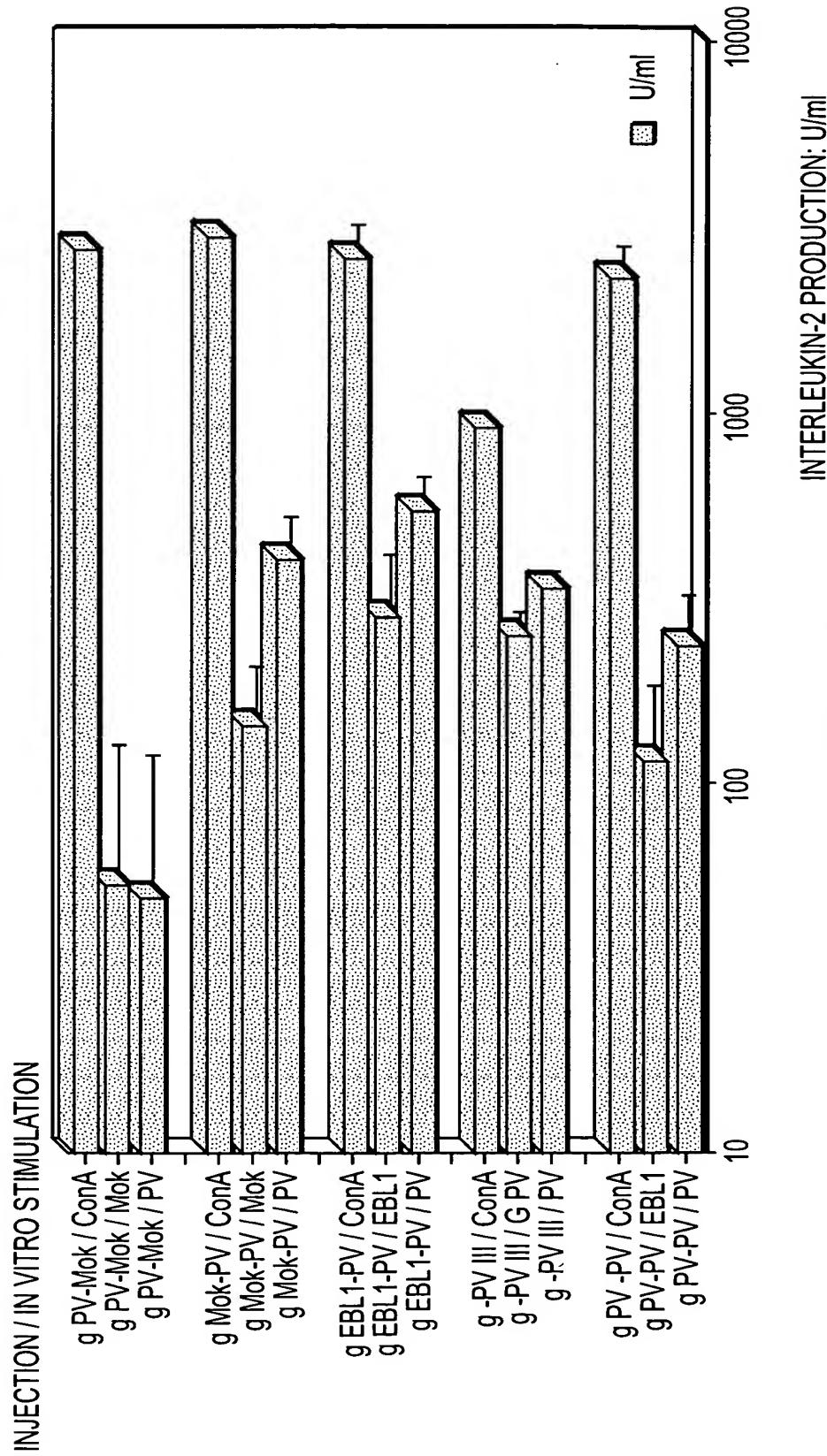
**FIG. 3A**

**FIG. 3B**

**FIG. 3C**



## Replacement Sheet

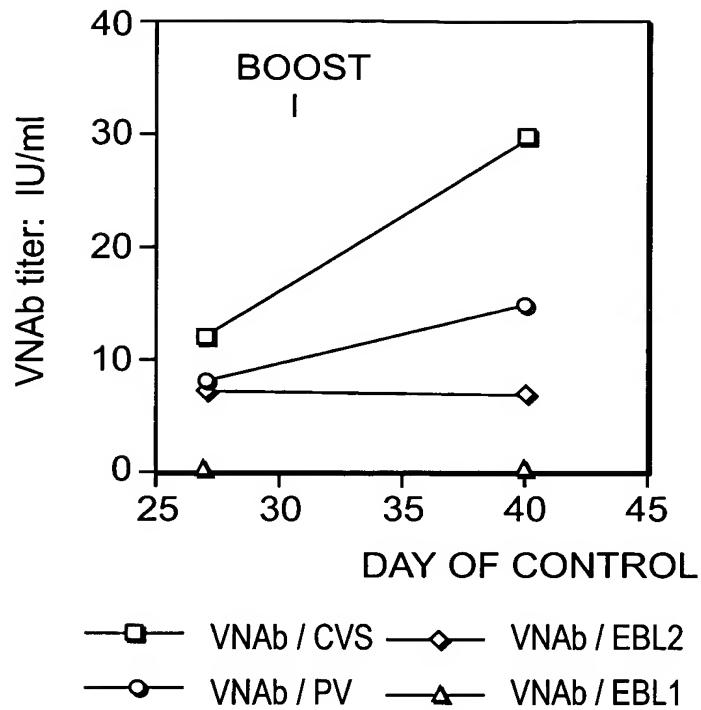


**FIG. 4**

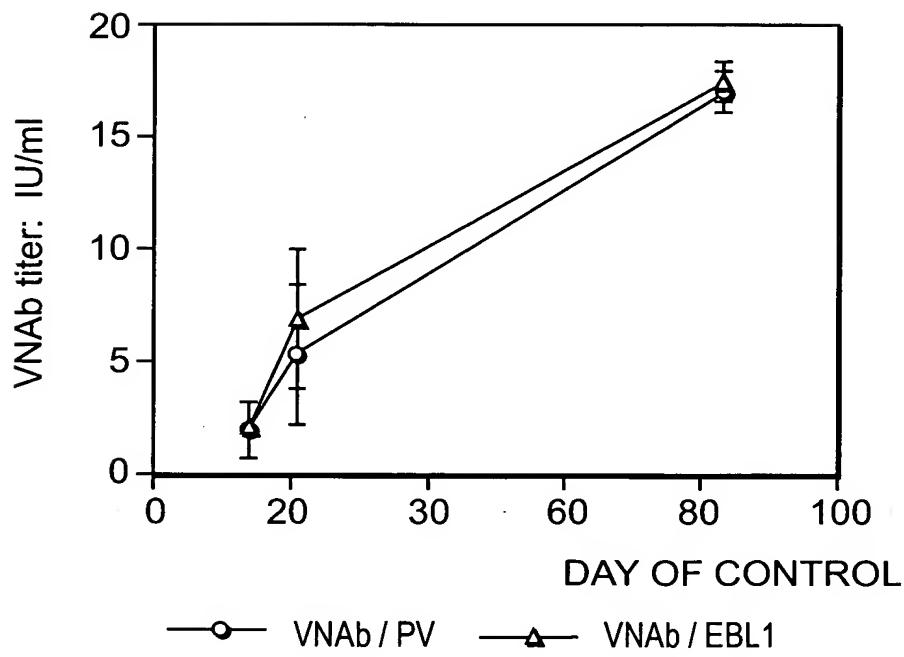
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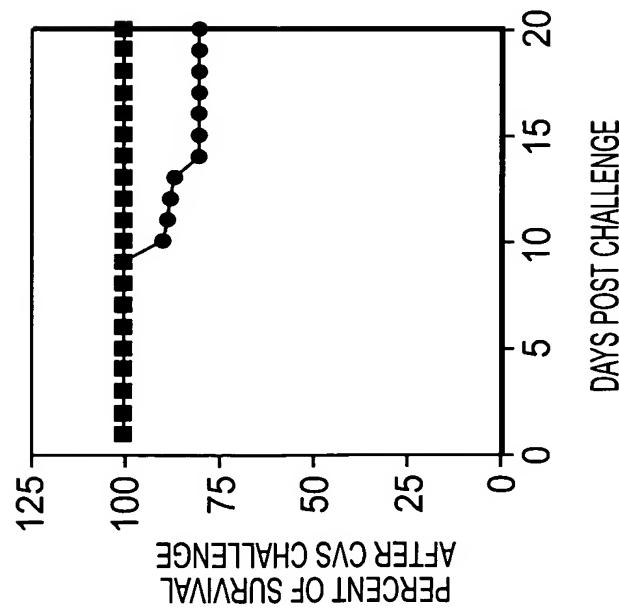
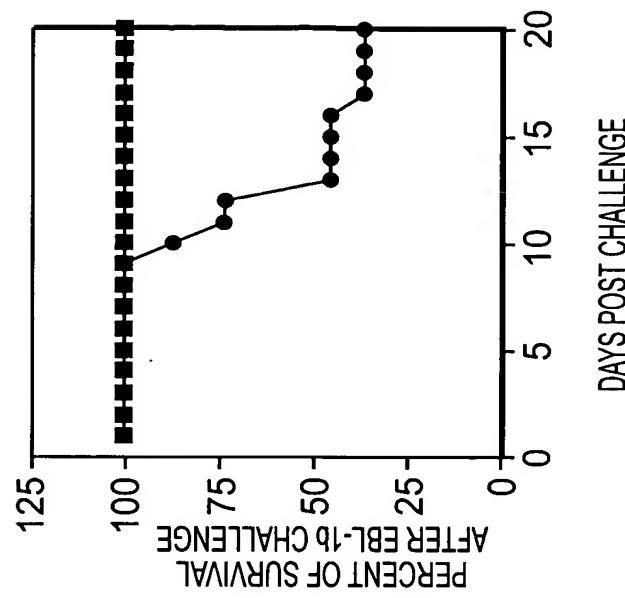


**FIG. 5A**



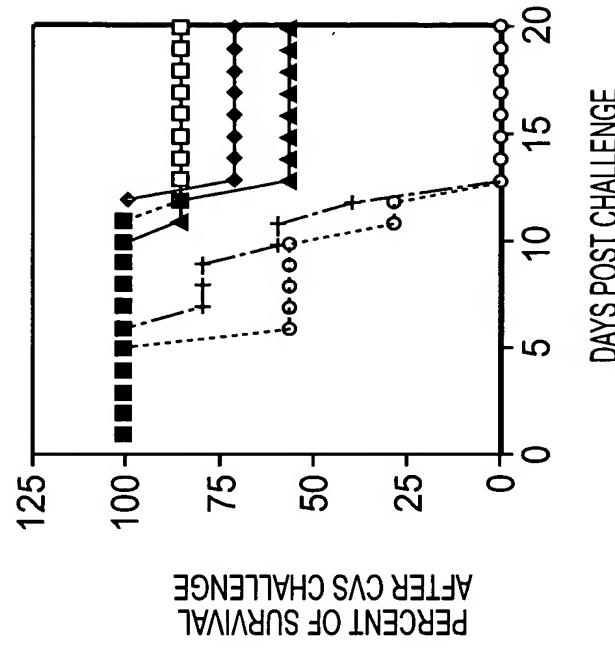
**FIG. 5B**

Replacement Sheet

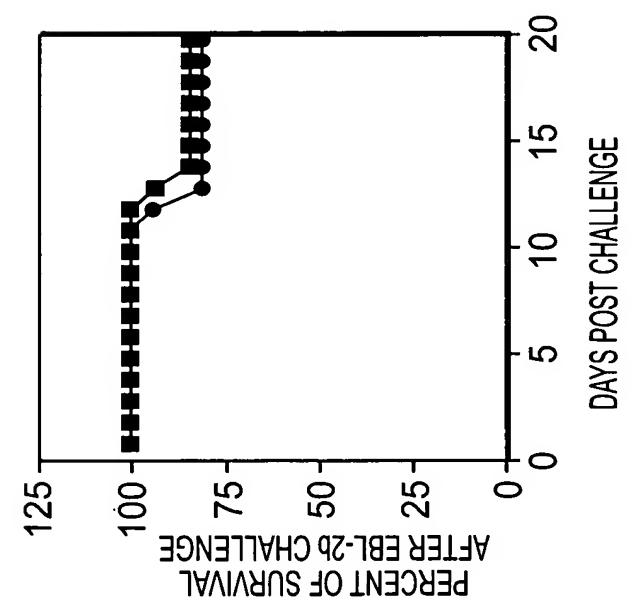


**FIG. 6A**  
**FIG. 6B**

Replacement Sheet

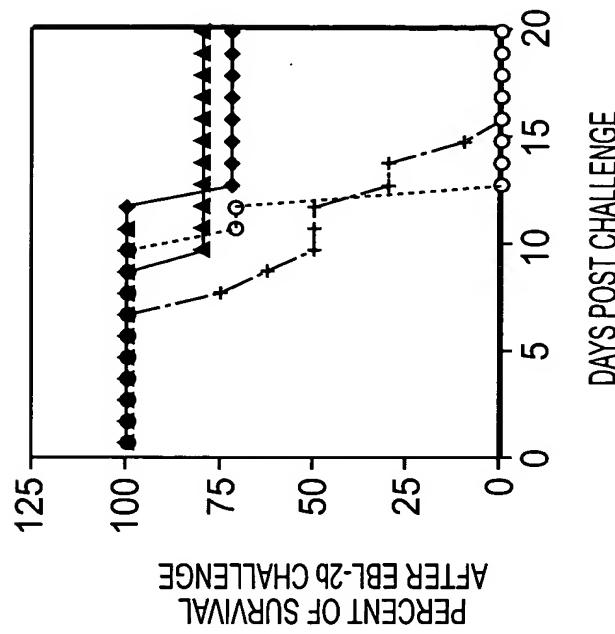


**FIG. 6D**

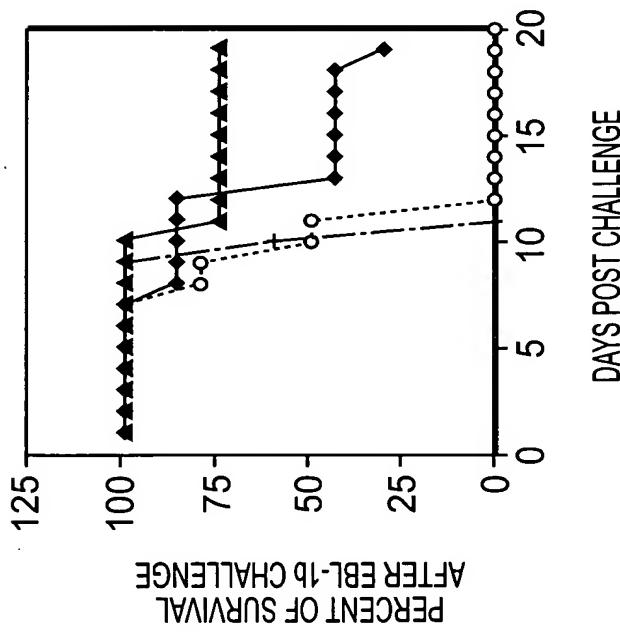


**FIG. 6C**

Replacement Sheet



**FIG. 6F**



**FIG. 6E**



Replacement Sheet

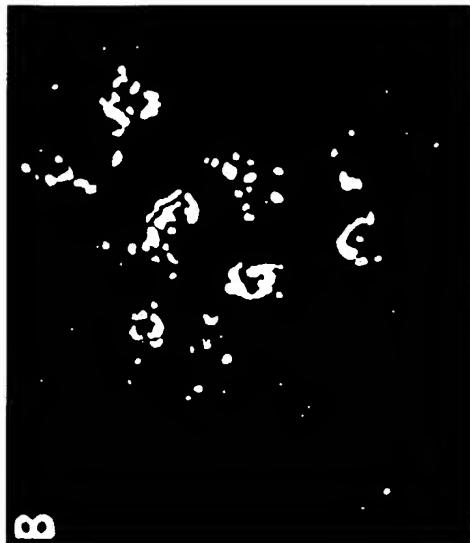


FIG. 7B



FIG. 7D

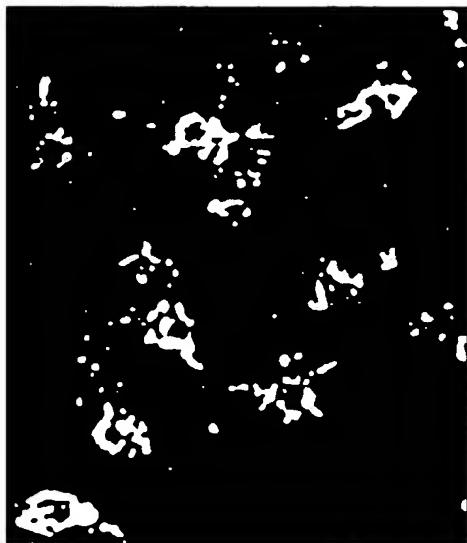


FIG. 7A

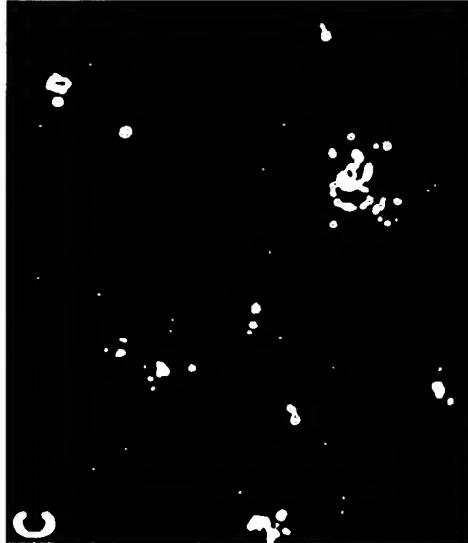
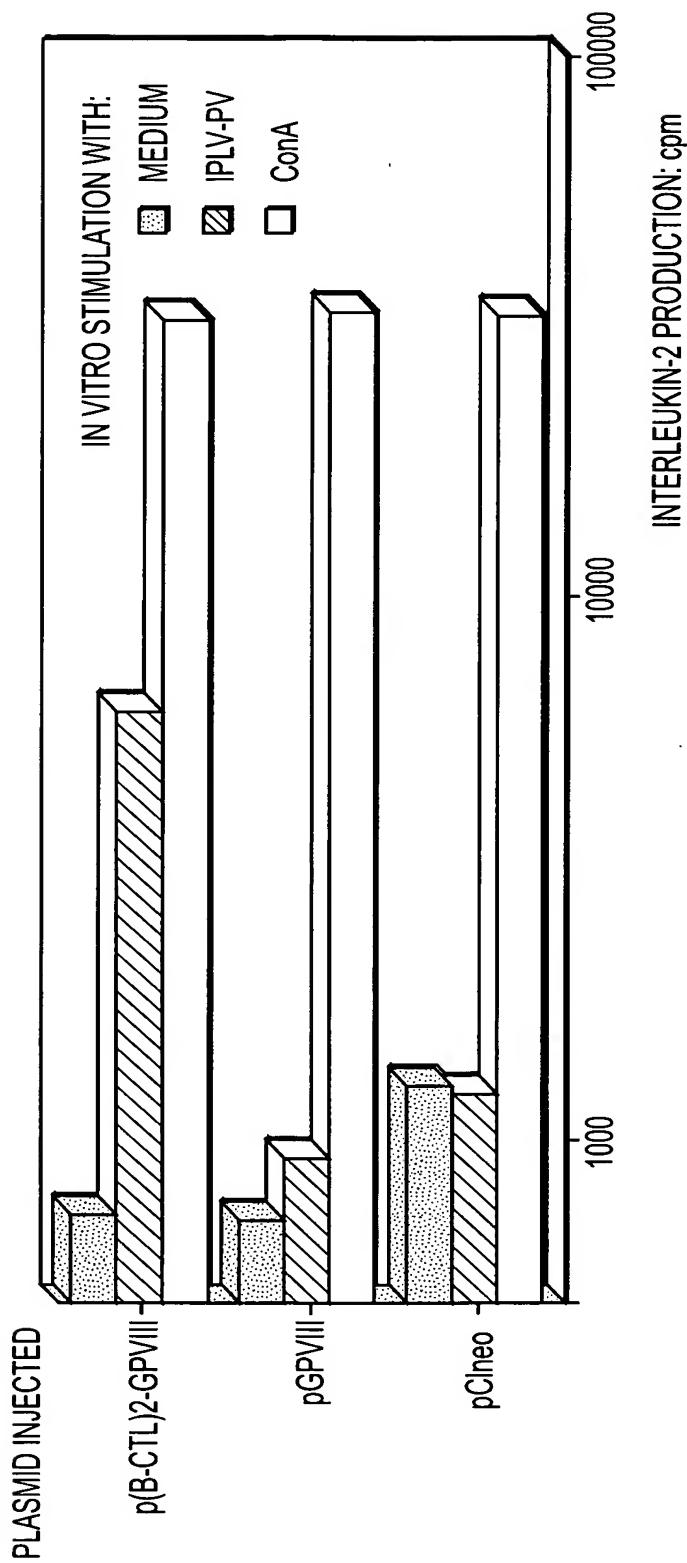


FIG. 7C

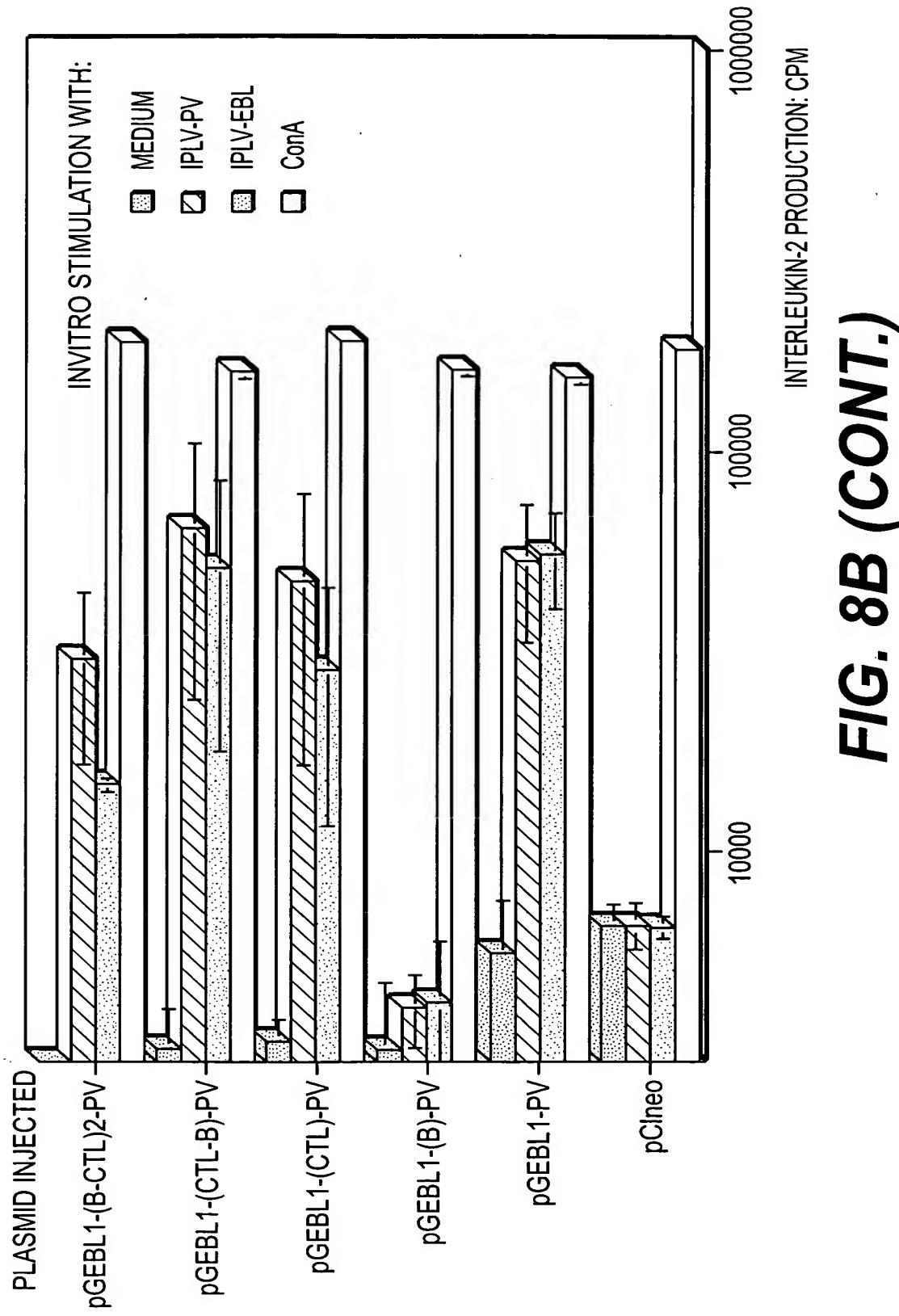


## Replacement Sheet



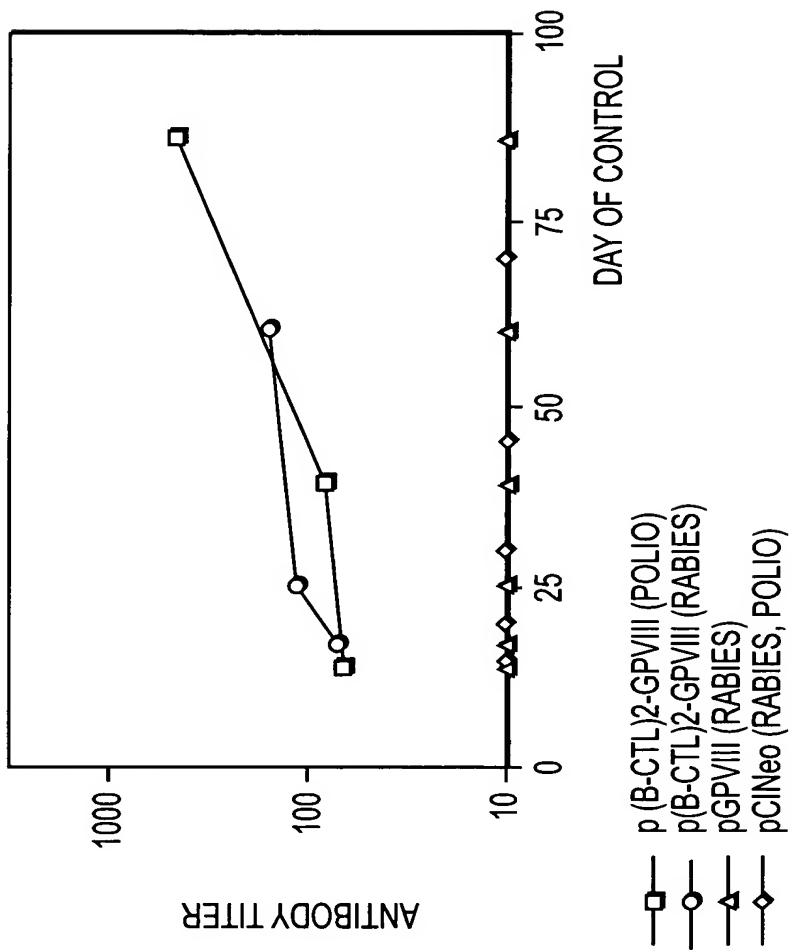
**FIG. 8A**

Replacement Sheet



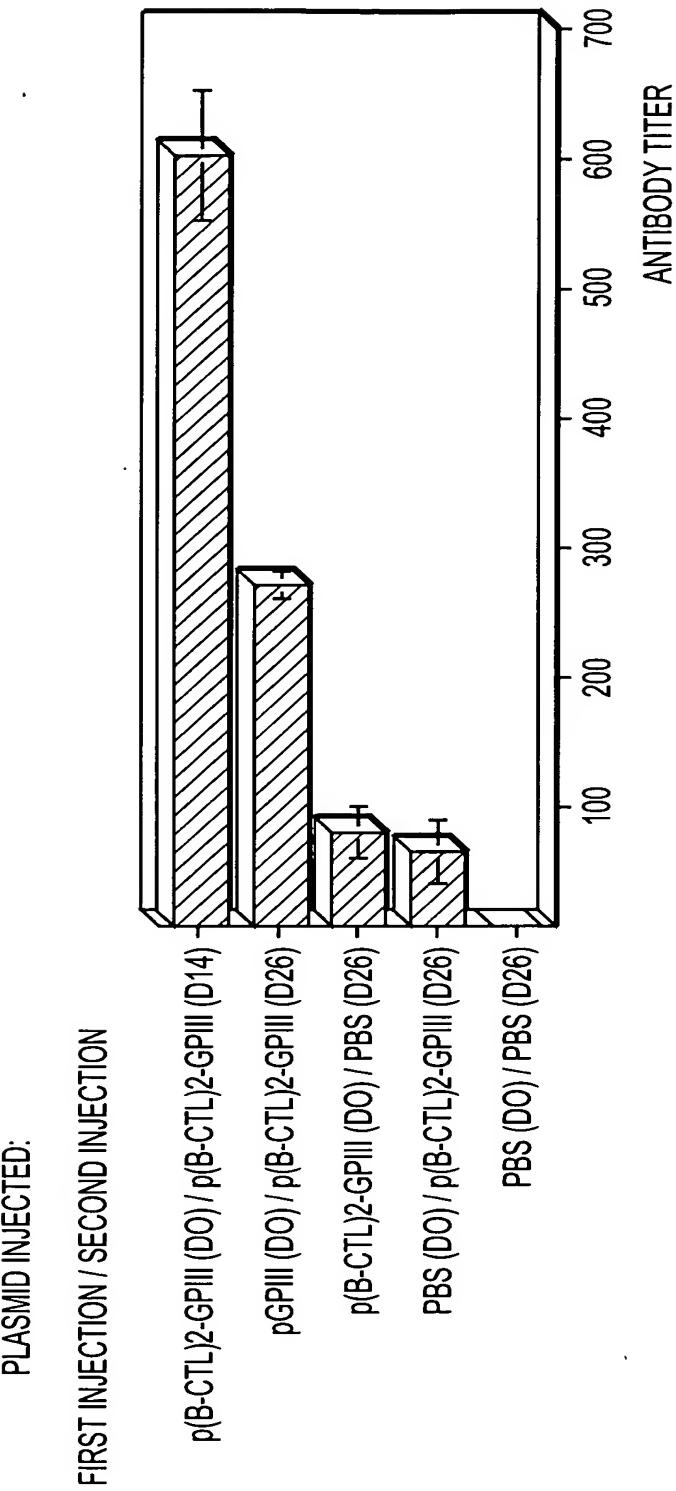


## Replacement Sheet



**FIG. 9**

Replacement Sheet



**FIG. 10**

Replacement Sheet

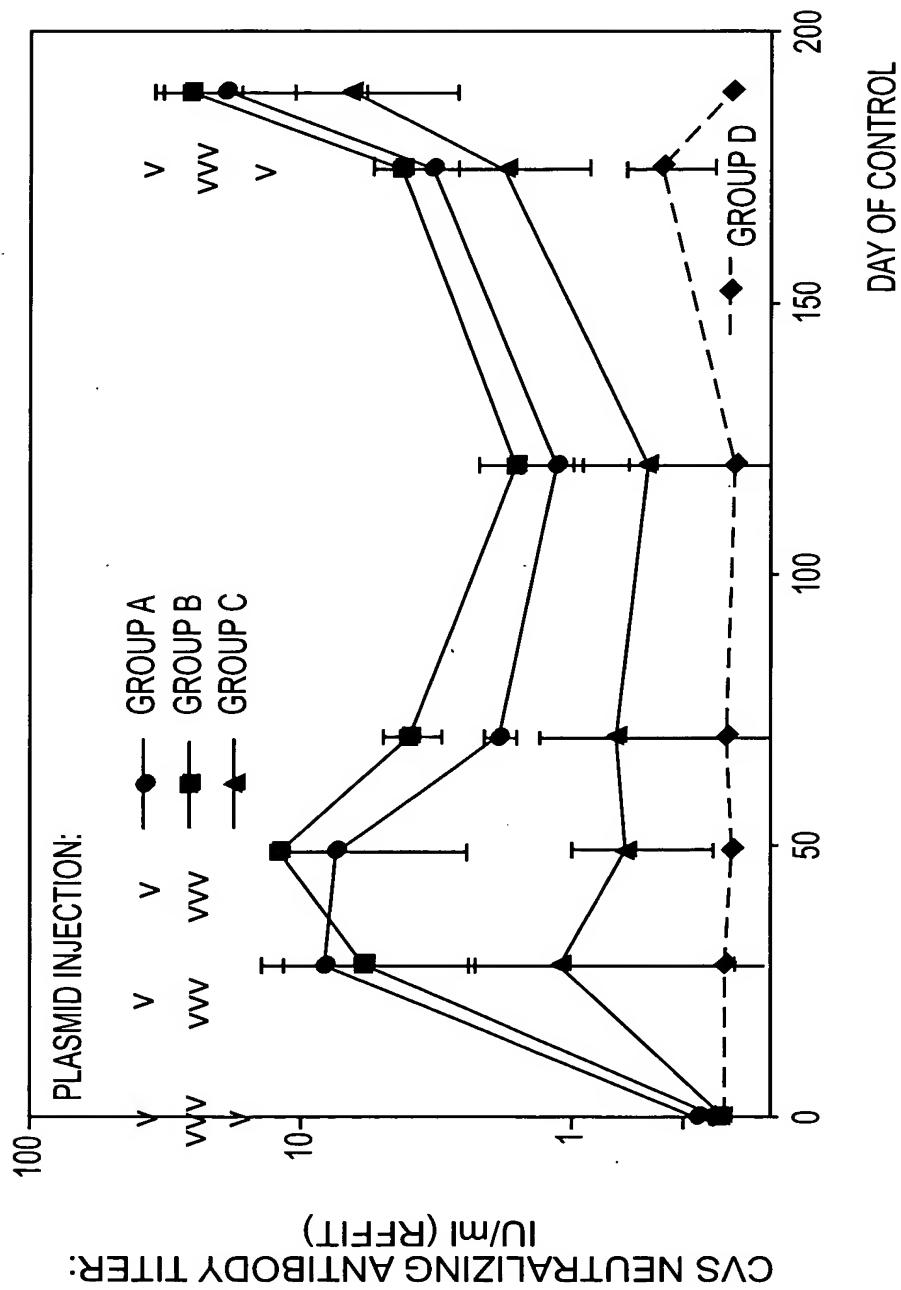


FIG. 11



## Replacement Sheet

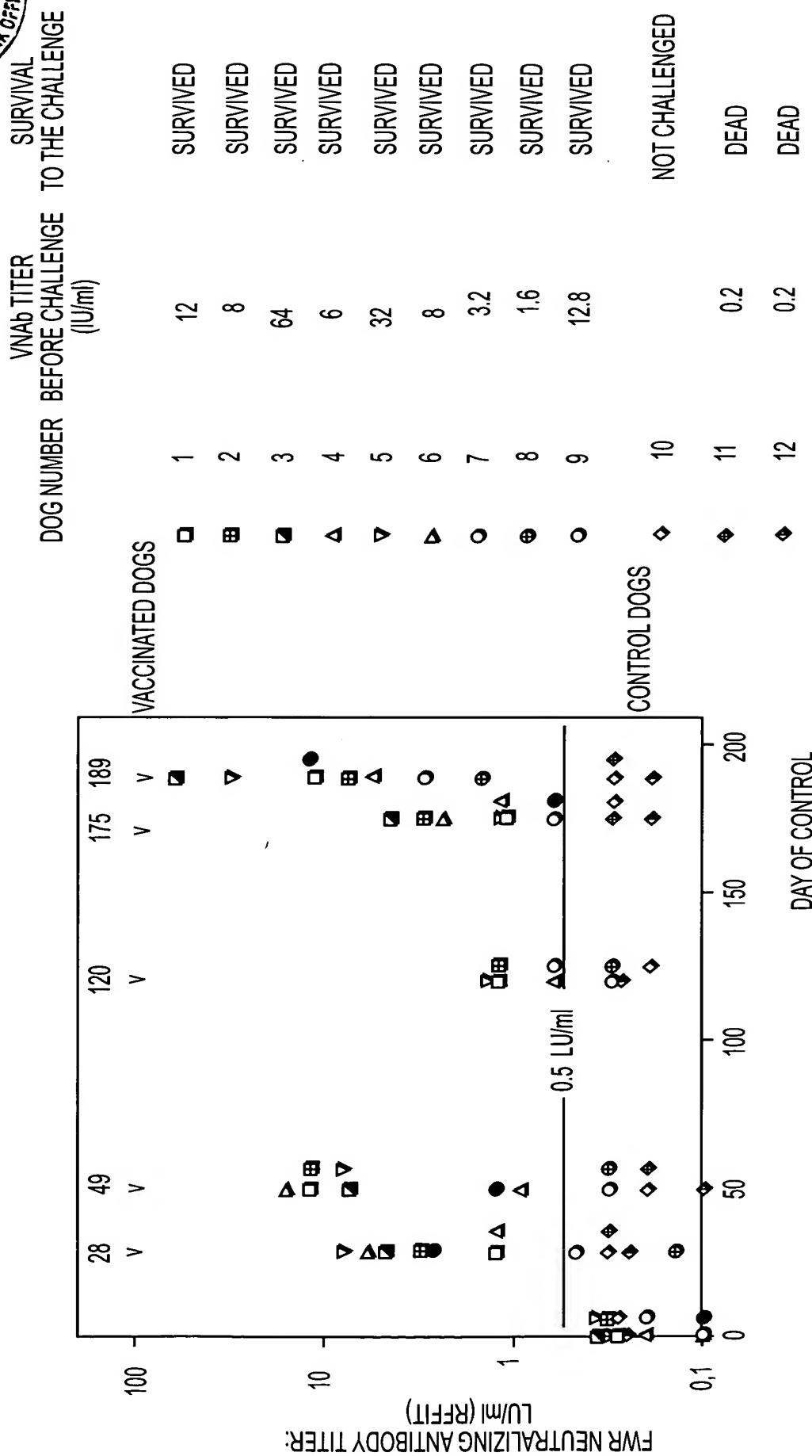
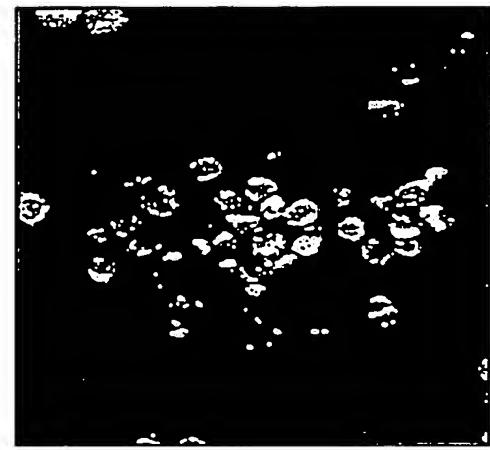
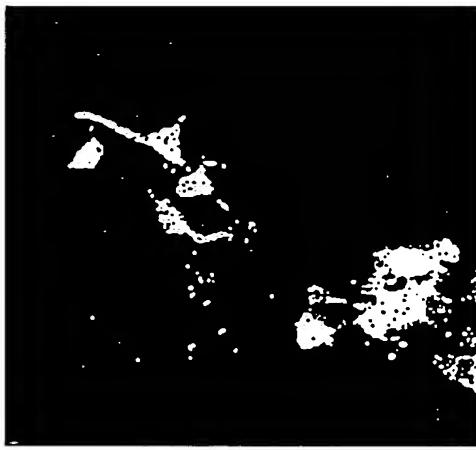


FIG. 12

Replacement Sheet



**FIG. 13A**



**FIG. 13B**

